



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of: Hau-Tai Shieh

Examiner: Unknown

Serial No.: 10/812,253

Group Art Unit: 2818

Filed: March 29, 2004

Express Mail ER492871695US

For: RIPPLE FRESH CIRCUIT AND METHOD FOR SEQUENTIALLY REFRESHING A SEMICONDUCTOR MEMORY SYSTEM

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

This Information Disclosure Statement is being filed in connection with the patent application referenced above. The Examiner is requested to consider each of the references cited herein and forward an initialed copy of the enclosed PTO Form 1449 to the undersigned representative. This Statement is being filed:

- ☐ Upon filing the application.
- ☐ Within three months from the filing date of this application, which is not a continued prosecution application.
- ☐ Within three months from date of entry of the national stage for this application.
- ☒ Before the mailing date of a first Office action on the merits for this application.
- ☐ Before the mailing date of a first Office action after the filing of a request for continued examination.
- ☐ Before the mailing date of any of: (i) a Final Office Action, (ii) a Notice of Allowance, and (iii) any other action that closes prosecution of this application. The Statement is accompanied by:
  - ☐ A Statement pursuant to 37 C.F.R. §1.97(e) or
  - ☐ The fee set forth in 37 C.F.R. §1.17(p), believed to be \_\_\_\_\_.
  - ☐ Before payment of the Issue Fee. The Statement is accompanied by:
  - ☐ A Statement pursuant to 37 C.F.R. §1.97(e) and
  - ☐ The fee set forth in 37 C.F.R. §1.17(p), believed to be \_\_\_\_\_.

**I. Provision of Copies**

☒ A copy of each of the references listed on the attached Form PTO Form 1449 is enclosed herewith and forms a part hereof.

☐ A translation of References AA, AB and AC are enclosed herewith and form a part hereof.

☐ A copy of the European Search Report from a corresponding or related EPO application is enclosed herewith.

☐ A copy of the International Search Report from a corresponding or related PCT application is enclosed herewith.

☐ This application claims priority, pursuant to 35 U.S.C. §120, to prior U.S. Application No. \_\_\_\_\_, filed \_\_\_\_\_. References not submitted herewith were submitted to or cited by the Office in the prior application(s).

**II. Fee**

☒ No fee is believed due in connection with filing of this Statement. However, in the event a fee or refund is due, the Commissioner is authorized to charge any fee associated with this communication or credit any overpayment to Deposit Account No. 04-1679, Reference: TSMC2003-1245(N1280-00220).

☐ The fee in the amount \$\_\_\_\_\_ that is due in connection of filing of this Statement was paid upon electronic filing of a corresponding Statement, which was made on \_\_\_\_\_ using the ePAVE software.

☐ The fee set forth in 37 C.F.R. §1.17(p), believed to be \$\_\_\_\_\_, is believed to be due in connection of filing of this Statement.

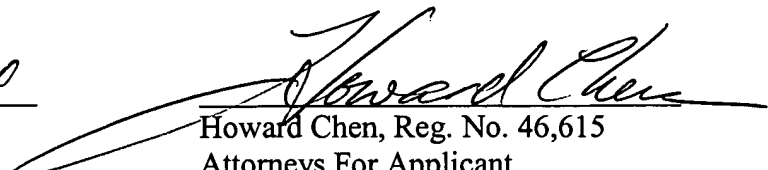
☐ A check in the amount \$\_\_\_\_\_ is enclosed.

☒ The Commissioner is authorized to charge any other fee associated with this communication, or credit any overpayment, to Deposit Account No. 04-1679, Reference: TSMC2003-1245(N1280-00220).

Respectfully submitted,

Dated: \_\_\_\_\_

9/30/04

  
Howard Chen, Reg. No. 46,615  
Attorneys For Applicant

DUANE MORRIS LLP  
One Market Street, Spear Tower, Suite 2000  
San Francisco, CA 94105-1104  
(415) 371-2200 (Telephone)  
(415) 371-2201 (Fax)



<b>U.S. PATENT AND TRADEMARK OFFICE</b> <b>Form PTO-1449 Modified</b>  <b>List of Patent and Publications</b> <b>Cited by Applicant</b> <b>(Use several sheets if necessary)</b> <b>U.S. Department of Commerce</b> <b>Patent and Trademark Office</b>	<b>Docket No.</b> TSMC2003-1245(N1280-00220)	<b>Serial No.</b> 10/812,253
	<b>Applicant</b> Hau-Tai Shieh	
	<b>Filing Date</b> 03/29/2004	<b>Group</b> 2818

**U. S. PATENT DOCUMENTS**

Examiner Initial	Cite No.	Document No.	Kind Code (if known)	Name	Date	Class	Subclass
	1.	6,496,437 B2		Leung	12/17/2002	365/222	

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Cite No.	Country Number Code	Kind Code	Publication Date	Name of Patentee or Applicant	Page, Columns, Lines where Relevant Passages Appeal	T

**OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

Examiner Initial	Cite No.	(Include name of author in CAPITAL LETTERS, Title of the Article (when appropriate) title of the item (book, magazine, journal, symposium, catalog, etc.) date, pages, volume, issue number(s), publisher, city and/or country where published)	T

<b>EXAMINER</b>	<b>DATE CONSIDERED</b>
-----------------	------------------------

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.